

FIG. 1

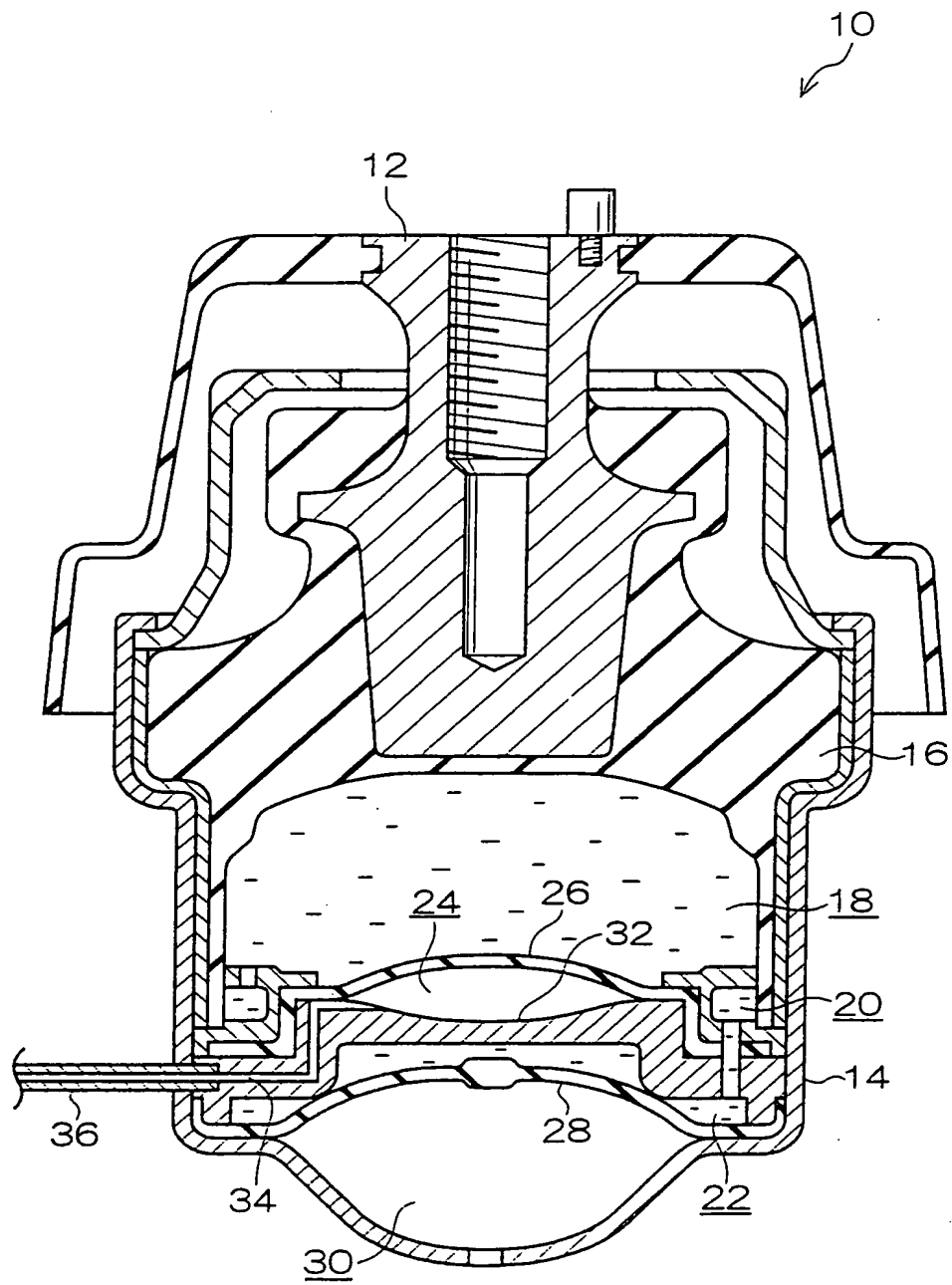


FIG. 2

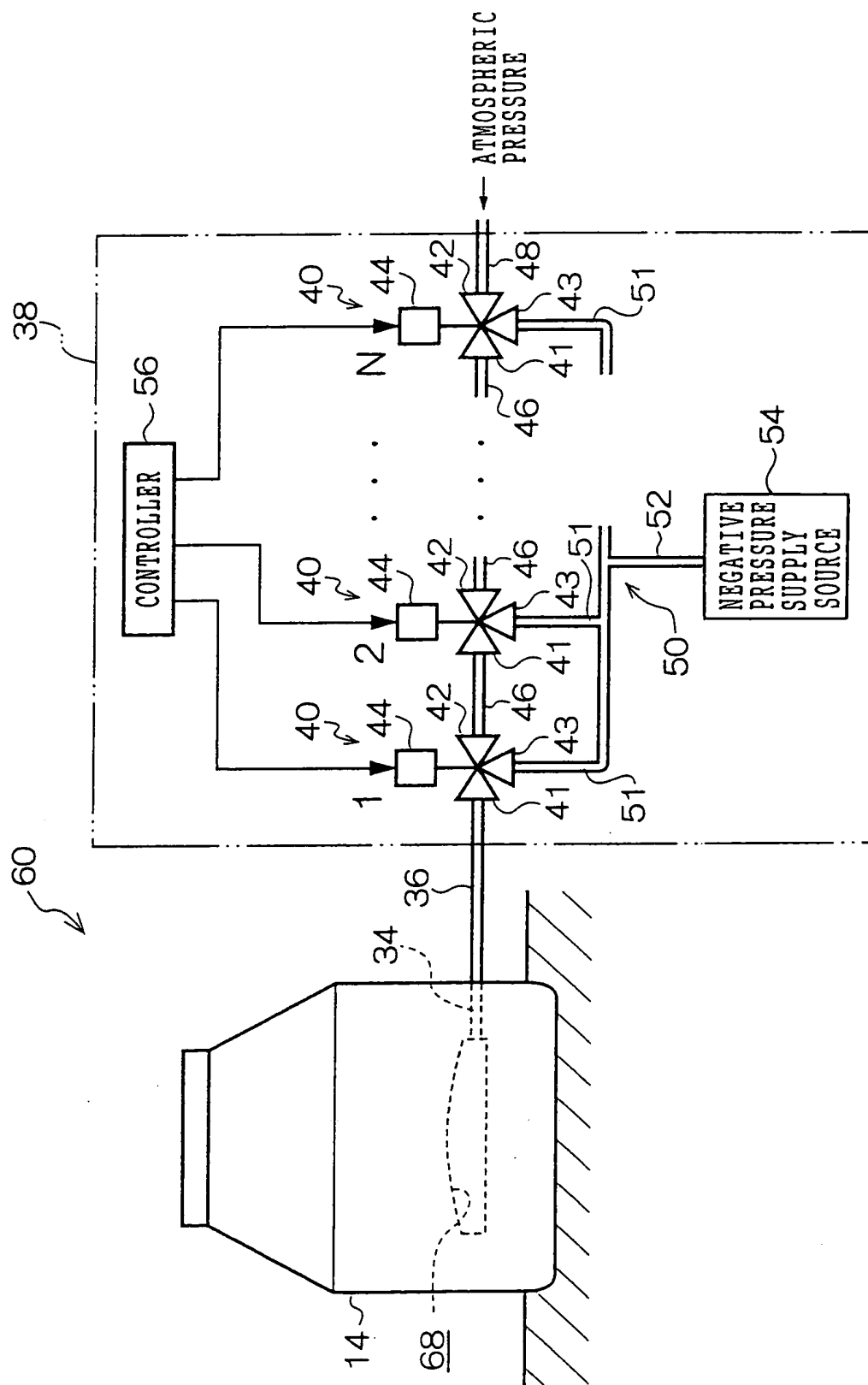
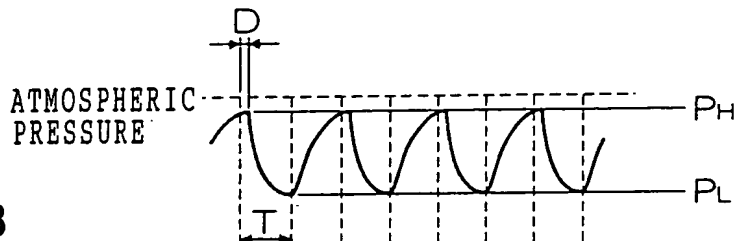


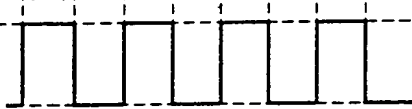
FIG. 3A

EQUILIBRIUM
CHAMBER
INTERNAL
PRESSURE

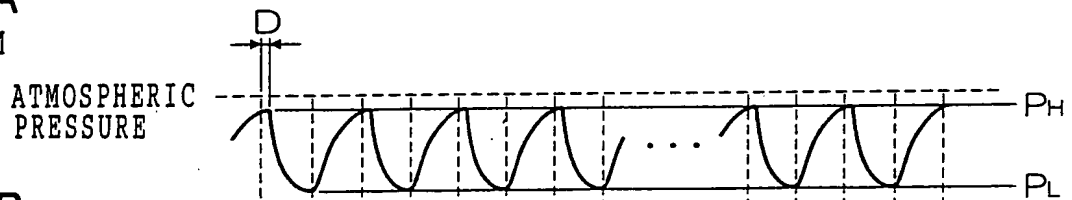
**FIG. 3B**

DRIVING
SIGNAL

ON (NEGATIVE
PRESSURE SIDE)
OFF (ATMOSPHERIC
PRESSURE SIDE)

**FIG. 4A**

EQUILIBRIUM
CHAMBER
INTERNAL
PRESSURE

**FIG. 4B**

DRIVING SIGNAL

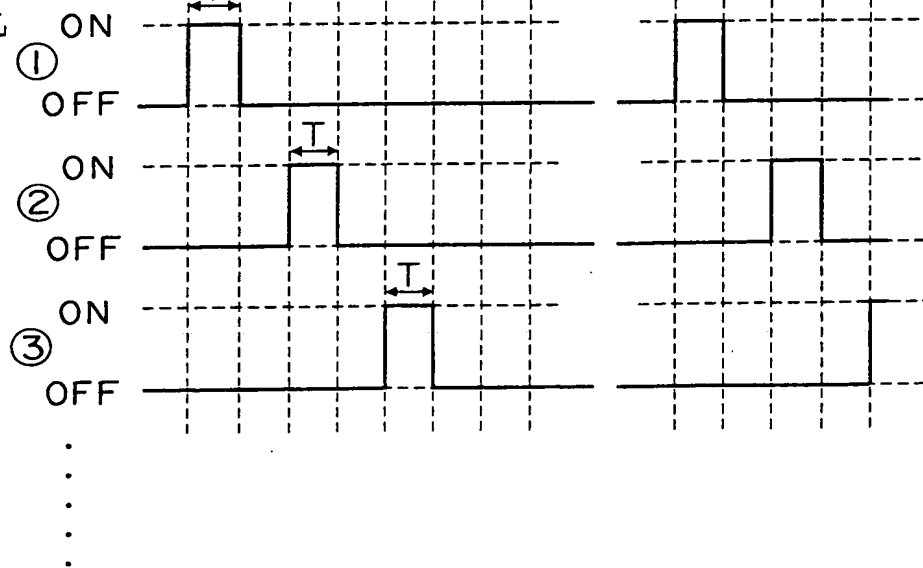


FIG. 5A

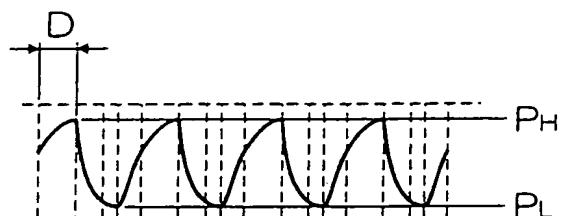
EQUILIBRIUM CHAMBER
INTERNAL PRESSUREATMOSPHERIC
PRESSURE

FIG. 5B

DRIVING SIGNAL

ON
(NEGATIVE PRESSURE SIDE)
OFF
(ATMOSPHERIC PRESSURE SIDE)

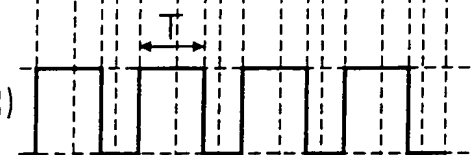


FIG. 5C

SWITCHING VALVE

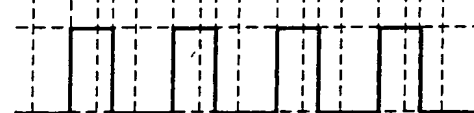
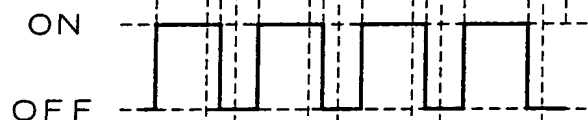
NEGATIVE PRESSURE
SIDEATMOSPHERIC
PRESSURE SIDE

FIG. 5D

DRIVING SIGNAL

FREQUENCY (LOW)



FREQUENCY (HIGH)

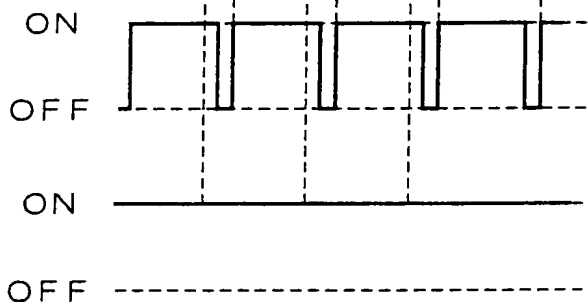


FIG. 6A
DRIVING SIGNAL

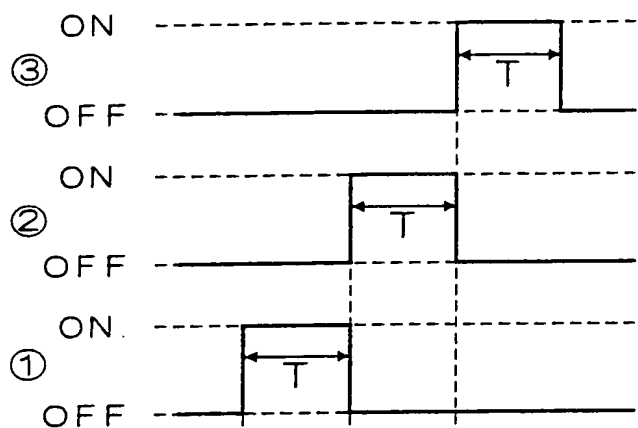


FIG. 6B
EQUILIBRIUM CHAMBER
INTERNAL PRESSURE

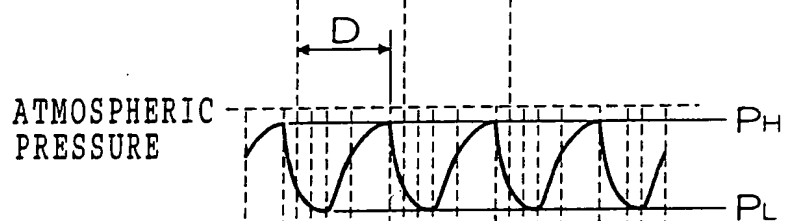


FIG. 6C
SWITCHING VALVE

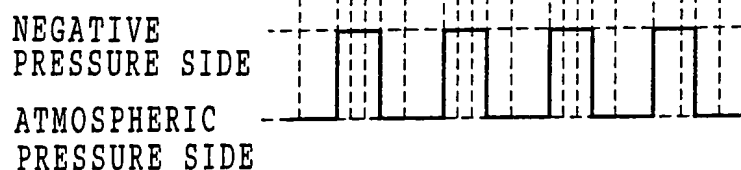


FIG. 7

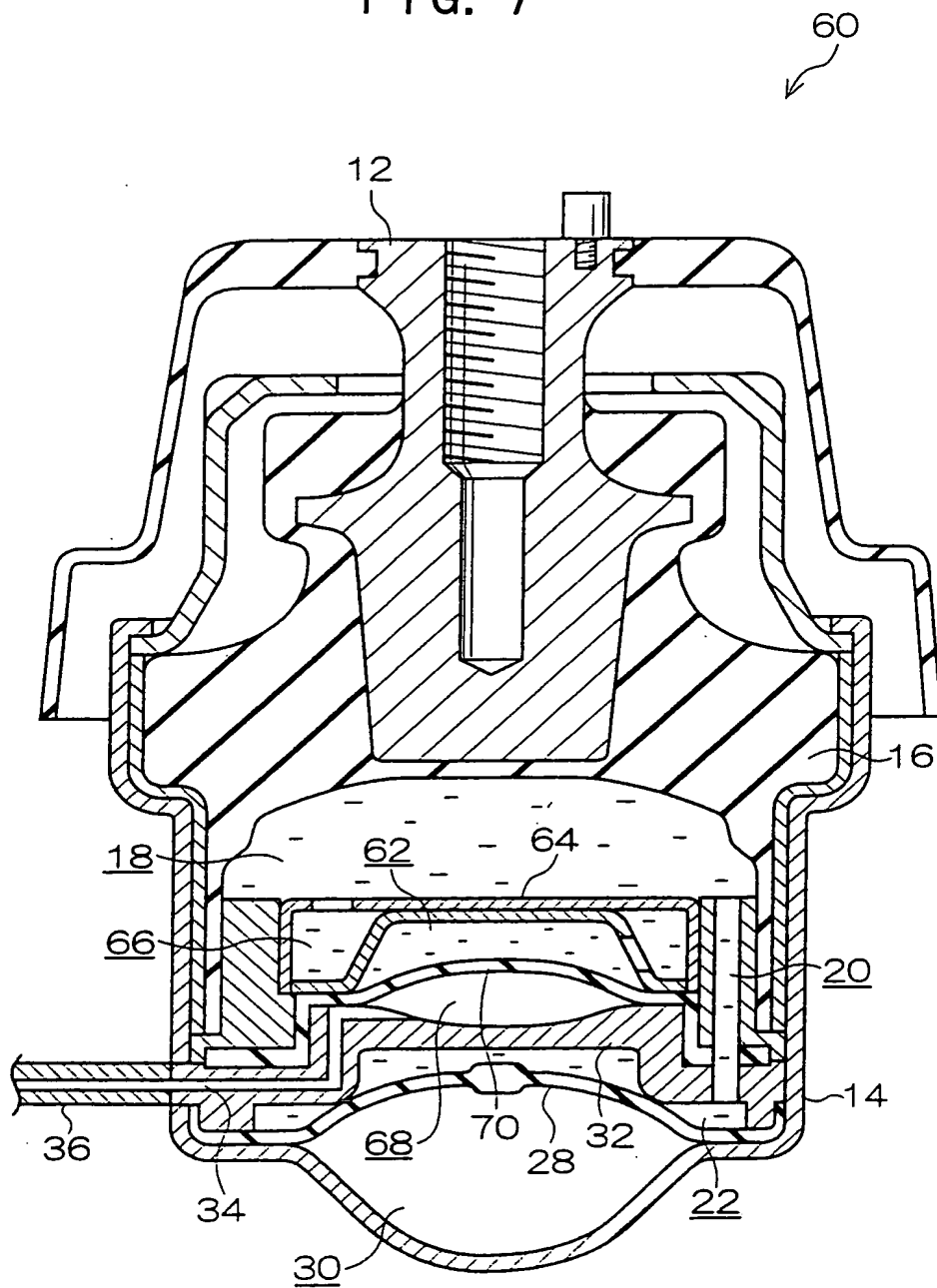


FIG. 8

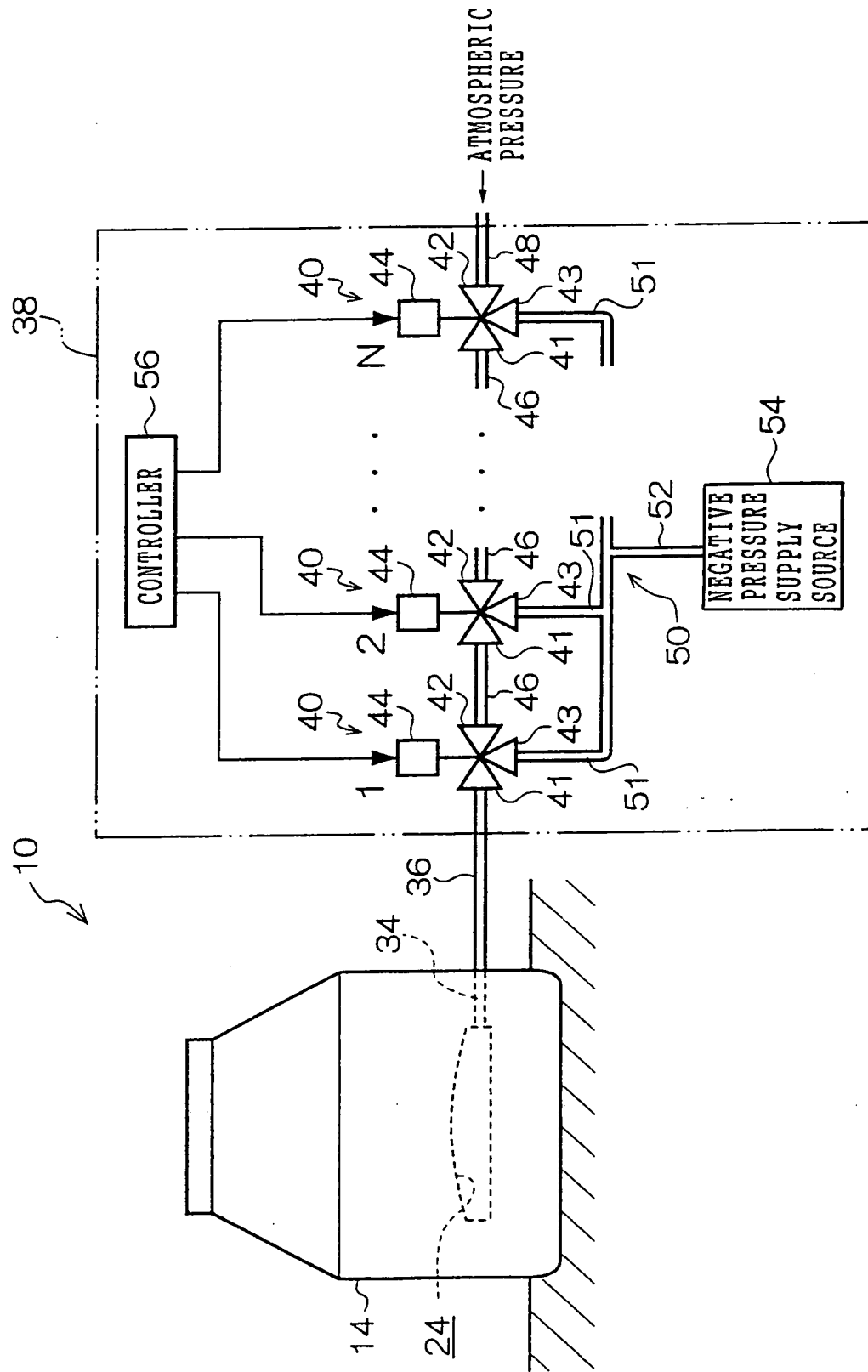


FIG. 9

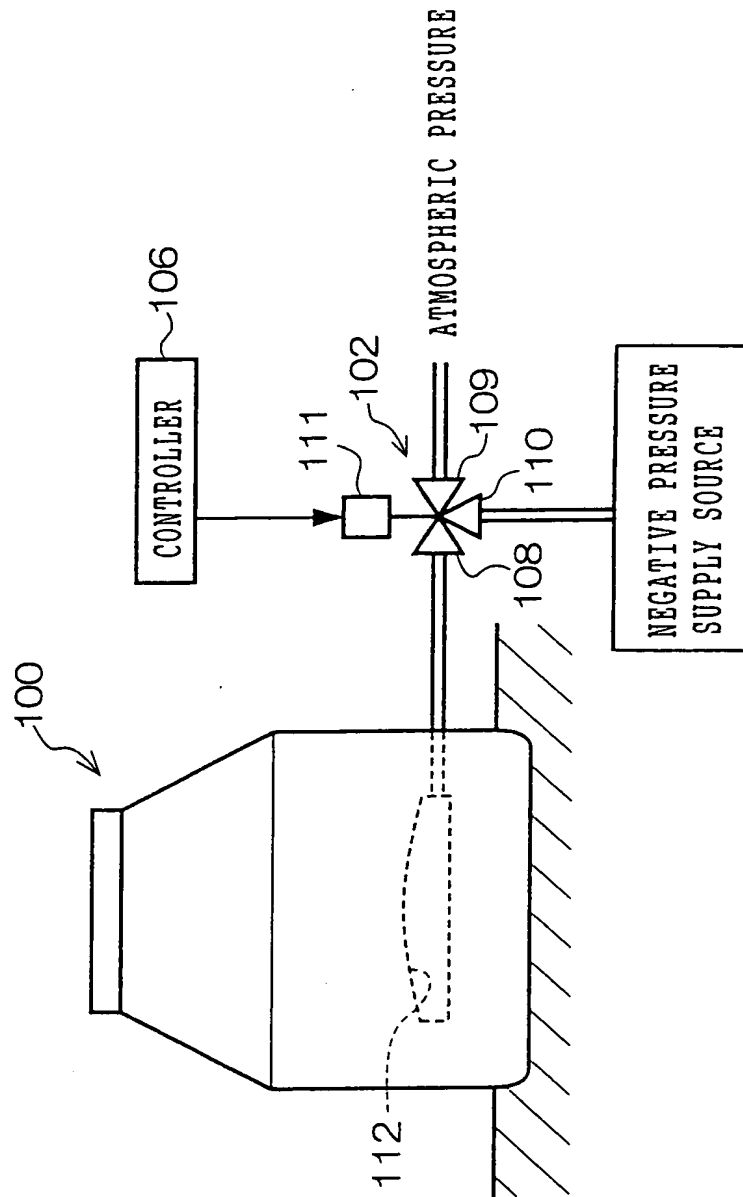


FIG. 10

